

#6

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/ 516, 635

Source: PCT

Date Processed by STIC: 7-2-05

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PCT

## RAW SEQUENCE LISTING

DATE: 07/12/2005

PATENT APPLICATION: US/10/516,635

TIME: 09:59:26

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3 <110> APPLICANT: Allan, Bernard
4     Gregoire, Francine
5     Lavan, Brian
6     Moodie, Shonna
7     Metabolex, Inc.
9 <120> TITLE OF INVENTION: Methods of Diagnosing & Treating Diabetes and Insulin
10    Resistance
12 <130> FILE REFERENCE: 016325-013900US
14 <140> CURRENT APPLICATION NUMBER: US 10/516,635
C--> 15 <141> CURRENT FILING DATE: 2004-11-30
17 <150> PRIOR APPLICATION NUMBER: US 60/386,085
18 <151> PRIOR FILING DATE: 2002-06-04
20 <150> PRIOR APPLICATION NUMBER: US 60/386,331
21 <151> PRIOR FILING DATE: 2002-06-05
23 <150> PRIOR APPLICATION NUMBER: WO PCT/US03/17725
24 <151> PRIOR FILING DATE: 2003-06-04
26 <160> NUMBER OF SEQ ID NOS: 16
28 <170> SOFTWARE: PatentIn Ver. 2.1
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31 <211> LENGTH: 2312
32 <212> TYPE: DNA
33 <213> ORGANISM: Homo sapiens
35 <220> FEATURE:
36 <223> OTHER INFORMATION: human connective tissue growth factor (CTGF) cDNA
38 <220> FEATURE:
39 <221> NAME/KEY: CDS
40 <222> LOCATION: (146)..(1195)
41 <223> OTHER INFORMATION: CTGF
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85 &lt;210&gt; SEQ ID NO: 2

86 &lt;211&gt; LENGTH: 349

87 &lt;212&gt; TYPE: PRT

88 &lt;213&gt; ORGANISM: Homo sapiens

90 &lt;220&gt; FEATURE:

91 &lt;223&gt; OTHER INFORMATION: human connective tissue growth factor (CTGF)

93 &lt;400&gt; SEQUENCE: 2

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98           20           25           30
100 Cys Arg Cys Pro Asp Glu Pro Ala Pro Arg Cys Pro Ala Gly Val Ser
101           35           40           45
103 Leu Val Leu Asp Gly Cys Gly Cys Cys Arg Val Cys Ala Lys Gln Leu
104           50           55           60
106 Gly Glu Leu Cys Thr Glu Arg Asp Pro Cys Asp Pro His Lys Gly Leu
107  65           70           75           80
109 Phe Cys Asp Phe Gly Ser Pro Ala Asn Arg Lys Ile Gly Val Cys Thr
110           85           90           95
112 Ala Lys Asp Gly Ala Pro Cys Ile Phe Gly Gly Thr Val Tyr Arg Ser
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125      165      170      175
127 Pro Ala Leu Ala Ala Tyr Arg Leu Glu Asp Thr Phe Gly Pro Asp Pro
128      180      185      190
130 Thr Met Ile Arg Ala Asn Cys Leu Val Gln Thr Thr Glu Trp Ser Ala
131      195      200      205
133 Cys Ser Lys Thr Cys Gly Met Gly Ile Ser Thr Arg Val Thr Asn Asp
134      210      215      220
136 Asn Ala Ser Cys Arg Leu Glu Lys Gln Ser Arg Leu Cys Met Val Arg
137 225      230      235      240
139 Pro Cys Glu Ala Asp Leu Glu Glu Asn Ile Lys Lys Gly Lys Lys Cys
140      245      250      255
142 Ile Arg Thr Pro Lys Ile Ser Lys Pro Ile Lys Phe Glu Leu Ser Gly
143      260      265      270
145 Cys Thr Ser Met Lys Thr Tyr Arg Ala Lys Phe Cys Gly Val Cys Thr
146      275      280      285
148 Asp Gly Arg Cys Cys Thr Pro His Arg Thr Thr Thr Leu Pro Val Glu
149      290      295      300
151 Phe Lys Cys Pro Asp Gly Glu Val Met Lys Lys Asn Met Met Phe Ile
152 305      310      315      320
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172 <222> LOCATION: (204)..(1250)
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188 cagttggccc tgccctagct gcctaccgac tggagacac atttggccca gacccaacta 780
189 tgatgcgagc caactgcctg gtccagacca cagagtggag cgctgttct aagacctgtg 840
190 gaatgggcat ctccaccga gttaccaatg acaatacctt ctgcagactg gagaagcaga 900
191 gccgcctctg catggtcagg ccctgcgaag ctgacctgga ggaaaacatt aagaagggca 960
192 aaaagtgcac ccggacacct aaaatcgcca agcctgtcaa gtttgagctt tctggctgca 1020
193 ccagtgtgaa gacatacagg gctaagttct gcgggggtgtg cacagacggc cgctgctgca 1080
194 caccgcacag aaccaccact ctgccagtgg agttcaaatg ccccgatggc gagatcatga 1140
195 aaaagaatat gatgttcac aagacctgtg cctgccatta caactgtcct ggggacaatg 1200
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218 &lt;211&gt; LENGTH: 348

219 &lt;212&gt; TYPE: PRT

220 &lt;213&gt; ORGANISM: Mus musculus

222 &lt;220&gt; FEATURE:

223 &lt;223&gt; OTHER INFORMATION: mouse connective tissue growth factor (CTGF)

224 homolog

226 &lt;400&gt; SEQUENCE: 4

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231 20 25 30

233 Gln Cys Ala Ala Glu Ala Ala Pro His Cys Pro Ala Gly Val Ser Leu

234 35 40 45

236 Val Leu Asp Gly Cys Gly Cys Cys Arg Val Cys Ala Lys Gln Leu Gly

237 50 55 60

239 Glu Leu Cys Thr Glu Arg Asp Pro Cys Asp Pro His Lys Gly Leu Phe

240 65 70 75 80

242 Cys Asp Phe Gly Ser Pro Ala Asn Arg Lys Ile Gly Val Cys Thr Ala

243 85 90 95

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254 Pro Asp Cys Pro Phe Pro Arg Arg Val Lys Leu Pro Gly Lys Cys Cys
255 145           150           155           160
257 Glu Glu Trp Val Cys Asp Glu Pro Lys Asp Arg Thr Ala Val Gly Pro
258           165           170           175
260 Ala Leu Ala Ala Tyr Arg Leu Glu Asp Thr Phe Gly Pro Asp Pro Thr
261           180           185           190
263 Met Met Arg Ala Asn Cys Leu Val Gln Thr Thr Glu Trp Ser Ala Cys
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267           210           215           220
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270 225           230           235           240
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305 <222> LOCATION: (225)..(1268)
306 <223> OTHER INFORMATION: CTGF homolog
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